

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference T8464164W0	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/CA 99/ 00928	International filing date (day/month/year) 25/10/1999	(Earliest) Priority Date (day/month/year) 13/10/1998

Applicant

SELECT MOLECULAR TECHNOLOGIES CORPORATION et al.

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of Invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

1
☐ None of the figures.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CA 99/ 00928

Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

The abstract is changed as follows:

Line 1: add "(20,22)" after "electrodes"

Line 4: add "(16,18)" after "separators"

Line 5: add "(24)" after "membranes".

INTERNATIONAL SEARCH REPORT

National Application No
PCT/CA 99/00928

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01G9/155

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01G H01M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 652 902 A (HART BURT E ET AL) 28 March 1972 (1972-03-28) figure 1 column 2, line 38 - line 45 column 3, line 11 - line 21 column 3, line 72 - line 75 column 5, line 11 - line 12 claim 1 ---	1-3,6,7, 10-12
X	US 5 393 619 A (MAYER STEVEN T ET AL) 28 February 1995 (1995-02-28) column 3, line 62 -column 5, line 20 figures 1,2 claim 1 --- -/--	1,4,5,7, 10-12

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

14 December 1999

Date of mailing of the international search report

22/12/1999

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Goossens, A

INTERNATIONAL SEARCH REPORT

International Application No

PCT/CA 99/00928

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 594 758 A (WATANABE KOHICHI ET AL) 17 June 1986 (1986-06-17) column 2, line 42 - line 43 figures 3-5 ---	1,4,5,11
A	US 4 597 028 A (YOSHIDA AKIHIKO ET AL) 24 June 1986 (1986-06-24) abstract -----	1,11

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/CA 99/00928

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 3652902 A	28-03-1972	CA 927944 A CH 519232 A DE 2031798 A FR 2052384 A	05-06-1973 15-02-1972 21-01-1971 09-04-1971
US 5393619 A	28-02-1995	US 5336274 A	09-08-1994
US 4594758 A	17-06-1986	JP 60003120 A DE 3422863 A	09-01-1985 03-01-1985
US 4597028 A	24-06-1986	JP 1548889 C JP 60035509 A JP 63011769 B JP 60043809 A JP 1770756 C JP 4049248 B JP 60050912 A JP 1466724 C JP 60064422 A JP 63014492 B EP 0134706 A	09-03-1990 23-02-1985 16-03-1988 08-03-1985 30-06-1993 11-08-1992 22-03-1985 10-11-1988 13-04-1985 31-03-1988 20-03-1985

REC'D 17 JAN 2001

WIPO

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

15

Applicant's or agent's file reference T8464164WO	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/CA99/00928	International filing date (day/month/year) 13/10/1999	Priority date (day/month/year) 13/10/1998
International Patent Classification (IPC) or national classification and IPC H01G9/155		
Applicant SELECT MOLECULAR TECHNOLOGIES CORPORATION et al.		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.



2. This REPORT consists of a total of 7 sheets, including this cover sheet.

- ☒ This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of 3 sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☒ Certain defects in the international application
- VIII ☒ Certain observations on the international application

Date of submission of the demand 12/05/2000	Date of completion of this report 12.01.2001
Name and mailing address of the international preliminary examining authority:  European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465	Authorized officer Ketterl, F Telephone No. +49 89 2399 2467 

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/CA99/00928

I. Basis of the report

1. This report has been drawn on the basis of *(substitute sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments (Rules 70.16 and 70.17).)*:

Description, pages:

1-4,6-8	as originally filed	
5	with telefax of	20/11/2000

Claims, No.:

1-17	with telefax of	20/11/2000
------	-----------------	------------

Drawings, sheets:

1/2,2/2	as originally filed
---------	---------------------

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- ☐ the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/CA99/00928

- ☐ the description, pages:
☒ the claims, Nos.: 2
☐ the drawings, sheets:

5. ☒ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)):

(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

see separate sheet

6. Additional observations, if necessary:

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Yes: Claims 1,3-19
	No: Claims
Inventive step (IS)	Yes: Claims
	No: Claims 1,3-19
Industrial applicability (IA)	Yes: Claims 1,3-19
	No: Claims

2. Citations and explanations

see separate sheet

VII. Certain defects in the international application

The following defects in the form or contents of the international application have been noted:

see separate sheet

VIII. Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

see separate sheet

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT - SEPARATE SHEET**

International application No. PCT/CA99/00928

CONCERNING SECTION I:

- 1). Regarding the amendments of claim 1, no basis can be found in the application as originally filed for the generalizing wording of the features
 - a) a housing electrically isolated from, and lined with, current collectors, said current collectors being electrically connected to contacts mounted on said housing; and
 - b) conductive, chemically inert separators provided between and being in electrical and mechanical contact with said electrodes and said current collectors of the housing, said separators chemically isolating said cell from said housing.
- 1.1 Consequently, in accordance with Rule 70.2 (c) PCT, the following remarks concerning novelty, inventive step and industrial applicability will be based on claim 1 as originally filed, with the additional limitation supported by original claim 2 that the separators are formed from a graphite-based material.
- 2). Regarding the amendments of claim 11, no basis can be found in the application as originally filed for the generalizing wording of the feature that conductive, chemically inert separators are provided at outer surfaces of the cell and being in electrical and mechanical contact with said electrodes, said separators chemically isolating said cell.
- 2.1 Consequently, in accordance with Rule 70.2 (c) PCT, the following remarks concerning novelty, inventive step and industrial applicability will be based on claim 11 as originally filed, with the additional limitation supported by original claim 2 and the paragraph bridging pages 3 and 4 that the cell comprises conductive, chemically inert separators and the separators are formed from a graphite-based material.

CONCERNING SECTION V:

- 1). The storage device of claim 1 interpreted in accordance with paragraph 1.1 of

section I above does not involve an inventive step, thus failing to meet the requirements of Article 33 (3) PCT. The reasons are as follows:

- 1.1 As the closest prior art reference, US,A,4 597 028 (hereinafter referred to as D1) has to be taken into account. From this document, there is known (see e.g. Fig.4, column 1, lines 43 to 52 and column 13, lines 28 to 47) a capacitor, i.e. an energy storage device in the sense of the claim wording, which comprises a housing (corrosion-resisting metal cases 26, 27) and one capacitive cell having first and second electrodes formed of activated carbon fibre fabrics (20 and 21). The electrodes are separated from each other by a polypropylene separator 24, which is non-conductive and chemically inert. The function as a separator further implies that free passage of molecules of the electrolyte is possible. As the electrolyte, aqueous sulfuric acid is impregnated into the electrodes. Conductive carbon paint coatings are formed on one side of the fabrics, acting as current collectors.
- 1.2 From this known device, the claimed one differs in that conductive, chemically inert separators formed from a graphite-based material are provided which are isolated from and lined with the housing and connected to contacts mounted on said housing.

It follows from the paragraph linking pages 3 and 4 of the present application that the technical effect of the separators is chemically isolating the cell from the housing. Thereby, corrosion of the housing by the electrolyte is prevented.

The problem can therefore be seen in indicating a further way of making the housing corrosion-resisting.

- 1.3 The solution does not involve an inventive step. Making the housing resisting to corrosion by the electrolyte by interposing a chemically inert separator is an equally likely alternative to applying the corrosion resisting metal case of D1. A skilled person would apply such an alternative in accordance with circumstances, following customary practice. Selecting a graphite based material for the separators is an obvious matter of choice, since such materials are standard chemically inert materials in the present field of art.

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT - SEPARATE SHEET**

International application No. PCT/CA99/00928

- 2). The only difference between the capacitor known from the above cited passages of D1, and the capacitive cell of claim 11 interpreted as set forth in paragraph 2.1 of section I above, resides in that the latter comprises conductive, chemically inert separators formed from a graphite based material.

Consequently, the reasons set out in paragraphs 1.2 and 1.3 above analogously apply. Hence the cell of claim 11 cannot be considered as involving an inventive step and therefore, the requirements of Article 33 (3) PCT are not met.

- 3). Dependent claims 3 to 10 and 12 to 14 do not contain any features which, in combination with the features of any claim to which they refer, meet the requirements of the PCT in respect of novelty or inventive step, the reasons being as follows:

- 3.1 Claims 3 to 6 refer to standard chemically inert materials from which a skilled person would select when circumstances make it desirable.
- 3.2 The electrolyte being a sulfuric acid solution, as defined in claims 7 and 12, is known from D1, example 3.
- 3.3 As regards claims 8 and 13, hydrocellulose is an equally likely alternative to the fibre materials known from D1 and would be applied by a skilled person following customary practice.
- 3.4 Claims 9, 10 and 14 refer to slight modification of the cell design which come within the scope of routine considerations followed by those skilled in the art.

CONCERNING SECTION VII:

- 1). Contrary to the requirements of Rule 5.1(a)(ii) PCT, the relevant background art disclosed in the document D1 is not mentioned in the description, nor is this document identified therein.

- 2). The beginning of amended page 5 does not correspond to the end of original page 4, which leads to the doubling of passages. The end of amended page 5 does not correspond to the beginning of original page 6, which leads to the omission of passages. Hence the amendment is confusing and does not meet the requirements of Rule 66.8 a) PCT.
- 3). The features of the claims are not provided with reference signs placed in parentheses (Rule 6.2(b) PCT).

CONCERNING SECTION VIII:

- 1). Claim 1 in its present version is not clear and therefore does not meet the requirements of Article 6 PCT. The reasons are as follows:

It appears from the paragraph linking pages 3 and 4 to be essential to the performance of the invention that the chemically inert separators are barriers to the electrolyte molecules and chemically isolate the cell from the housing. Only if this condition is fulfilled, the desired technical effect of preventing the housing from corrosion by aggressive electrolytes as e.g. sulfuric acid can be obtained.

The present definition not bringing out these features therefore fails to meet the requirement following from Article 6 taken in combination with Rule 6.3(b) PCT that any independent claim must contain all the technical features essential to the invention.

- 5 -

a dependence between the received current density J relative to the pressure applied at the time of assembly, as shown in Fig. 4. As Fig. 4 shows, at pressures greater than about 3 kg/cm² (40 psi), further increase in pressure does not significantly alter the current density. In a preferred embodiment, device 10 is assembled at pressure of about 2 kg/cm² (30 psi) to about 6 kg/cm² (80 psi). It has been found that this pressure range is sufficient to ensure reliable contact of all parts and elements contained in cell 14. In comparison with the high pressures required in prior art capacitors, this lower pressure of assembly can substantially simplify manufacture.

As will be apparent, the absorption of the electrolyte into the carbonised, activated woven fabric forms a generally solid, chemically indifferent electrode/electrolyte interface. At the very surface of the electrodes there is, in fact, a two phase, ie. solid/liquid surface. This has the advantage of dispensing with electrochemical reactions between the electrodes and electrolyte during charging and discharging, as is found in prior art high capacitance capacitors and batteries. It is believed that the absence of electrochemical reactions at the interface results from the low voltage at which device 10 can operate. The nominal operating voltage for device 10 is less than that which causes a reaction to occur. For example, if the disassociation voltage for water is 1.24 V, then device 10 is operated at a voltage below 1.24 V to prevent disassociation. Likewise, if the chosen electrolyte is sulfuric acid in a water solution (with a disassociation voltage of 1.67V) then device 10 is optimally operated at voltages below 1.67V.

The behaviours of the electrolyte particles near an electrode surface can be approximated by double layer capacitance theory. In double layer capacitors, a double layer is formed on the electrode surface by applying an electric field across the electrodes such that the electrolyte is absorbed by the electrode. Each electrolyte particle can be modelled as an elementary capacitor, with a capacitance, in Farads, of:

$$C = \frac{\epsilon_0 \epsilon S}{d}$$

where

$$\epsilon_0 = 8.85 \times 10^{-12} \text{ F/m}$$

$\epsilon =$ permittivity of free space ≈ 1 (assuming interparticle space between electrolyte ions to be a vacuum)

$S =$ electrode surface area (m²)

AMENDED SHEET

We claim:

1. A high capacitance energy storage device, comprising:
a housing electrically isolated from, and lined with, current collectors, said
current collectors being electrically connected to contacts mounted on said housing;
5 at least one capacitive cell having a first electrode separated from a second
electrode by a non-conductive, chemically inert membrane, said electrodes formed of a
carbonised and activated woven fabric impregnated with an electrolyte, said membrane
permitting free passage of molecules of said electrolyte therethrough; and
conductive, chemically inert separators, provided between and being in
10 electrical and mechanical contact with said electrodes and said current collectors of the
housing, said separators chemically isolating said cell from said housing, and said
separators being formed from a graphite-based material.
2. (cancelled)
3. A device according to claim 1, wherein said separators consist of graphite
15 sheets.
4. A device according to claim 1, wherein said separators consist of
conductive rubber.
5. A device according to claim 1, wherein said separators consist of
conductive polymer film.
- 20 6. A device according to claim 1, wherein said separators consist of graphite
foil.
7. A device according to claim 1, wherein said electrolyte is a sulphuric acid
solution.
8. A device according to claim 1, wherein said carbonised, activated woven
25 fabric is formed from hydrocellulose.
9. A device according to claim 1, wherein each said electrodes is formed of a
plurality of layers of said carbonised, activated woven fabric.
10. A device according to claim 1, wherein a single separator separates
neighbouring cells.

11. A capacitive cell for a high energy storage device, comprising:
a first electrode separated from a second electrode by a non-conductive,
chemically inert membrane, said electrodes formed of a carbonised, activated woven fabric
impregnated with an electrolyte, said chemically inert membrane permitting free passage
5 of molecules of said electrolyte therethrough; and
conductive, chemically inert separators, provided at outer surfaces of the
cell and being in electrical and mechanical contact with said electrodes, said separators
chemically isolating said cell, and said separators being formed from a graphite-based
material.
- 10 12. A capacitive cell according to claim 11, wherein said electrolyte is a
sulphuric acid solution.
13. A capacitive cell according to claim 11, wherein said carbonised, activated
woven fabric is formed from hydrocellulose.
14. A capacitive cell according to claim 11, wherein each said electrodes is
15 formed of a plurality of layers of said carbonised, activated woven fabric.
15. A device according to claim 1, wherein said device is assembled at pressure
of about 2 to about 6 kg/cm² (about 30 to about 80 psi).
16. A device according to claim 1, wherein said carbonised and activated
woven fabric exhibit a specific surface area of 800 to 2000 m²/g, a total porosity of 0.25 to
20 0.80 cm³/g, and surface density of 100 to 300 g/m².
17. A capacitive cell according to claim 11, wherein said carbonised and
activated woven fabric exhibit a specific surface area of 800 to 2000 m²/g, a total porosity
of 0.25 to 0.80 cm³/g, and surface density of 100 to 300 g/m².

PATENT COOPERATION TREATY

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Assistant Commissioner for Patents
United States Patent and Trademark
Office
Box PCT
Washington, D.C.20231
ETATS-UNIS D'AMERIQUE

in its capacity as elected Office

Date of mailing (day/month/year) 14 June 2000 (14.06.00)	
International application No. PCT/CA99/00928	Applicant's or agent's file reference T8464164WO
International filing date (day/month/year) 13 October 1999 (13.10.99)	Priority date (day/month/year) 13 October 1998 (13.10.98)
Applicant BORISENKO, Dmitry N. et al	

1. The designated Office is hereby notified of its election made:

☒ in the demand filed with the International Preliminary Examining Authority on:

12 May 2000 (12.05.00)

☐ in a notice effecting later election filed with the International Bureau on:2. The election ☒ was☐ was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Facsimile No.: (41-22) 740.14.35

Authorized officer

Claudio Borton

Telephone No.: (41-22) 338.83.38

PCT COOPERATION TREATY

PCT

NOTIFICATION OF THE RECORDING
OF A CHANGE(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

From the INTERNATIONAL BUREAU

To:

WADA, Ikuko
Gowling Lafleur Henderson LLP
Suite 2600
160 Elgin Street
Ottawa, Ontario K1P 1C3
CANADA

Date of mailing (day/month/year) 27 September 2000 (27.09.00)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference 08-887873WO	
International application No. PCT/CA99/00928	International filing date (day/month/year) 13 October 1999 (13.10.99)

1. The following indications appeared on record concerning:		
<input type="checkbox"/> the applicant	<input type="checkbox"/> the inventor	<input checked="" type="checkbox"/> the agent
<input type="checkbox"/> the common representative		
Name and Address KINSMAN, L., Anne Gowling Lafleur Henderson LLP Suite 4900 Commerce Court West Toronto, Ontario M5L 1J3 Canada	State of Nationality	State of Residence
	Telephone No. 416-862-4414	
	Facsimile No. 416-862-7661	
	Teleprinter No.	
2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:		
<input checked="" type="checkbox"/> the person	<input type="checkbox"/> the name	<input type="checkbox"/> the address
<input type="checkbox"/> the nationality	<input type="checkbox"/> the residence	
Name and Address WADA, Ikuko Gowling Lafleur Henderson LLP Suite 2600 160 Elgin Street Ottawa, Ontario K1P 1C3 Canada	State of Nationality	State of Residence
	Telephone No. 416-862-4414	
	Facsimile No. 416-862-7661	
	Teleprinter No.	
3. Further observations, if necessary:		
4. A copy of this notification has been sent to:		
<input checked="" type="checkbox"/> the receiving Office	<input type="checkbox"/> the designated Offices concerned	
<input type="checkbox"/> the International Searching Authority	<input checked="" type="checkbox"/> the elected Offices concerned	
<input checked="" type="checkbox"/> the International Preliminary Examining Authority	<input type="checkbox"/> other:	

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer R. Chrem
Facsimile No.: (41-22) 740.14.35	Telephone No.: (41-22) 338.83.38

PCT INTERNATIONAL COOPERATION TREATY

PCT

NOTIFICATION OF THE RECORDING
OF A CHANGE(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

From the INTERNATIONAL BUREAU

To:

KINSMAN, L., Anne
Gowling Lafleur Henderson LLP
Suite 4900
Commerce Court West
Toronto, Ontario M5L 1J3
CANADADate of mailing (day/month/year)
01 September 2000 (01.09.00)Applicant's or agent's file reference
T8464164WO

IMPORTANT NOTIFICATION

International application No.
PCT/CA99/00928International filing date (day/month/year)
13 October 1999 (13.10.99)

1. The following indications appeared on record concerning:

☐ the applicant ☐ the inventor ☒ the agent ☐ the common representative

Name and Address

KINSMAN, L., Anne
Gowling Lafleur Henderson LLP
Suite 4900
Commerce Court West
Toronto, Ontario M5L 1J3
Canada

State of Nationality

State of Residence

Telephone No.

416-862-4414

Facsimile No.

416-862-7661

Teleprinter No.

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

☐ the person ☒ the name ☐ the address ☐ the nationality ☐ the residence

Name and Address

KINSMAN, L., Anne
Gowling Lafleur Henderson LLP
Suite 4900
Commerce Court West
Toronto, Ontario M5L 1J3
Canada

State of Nationality

State of Residence

Telephone No.

416-862-4414

Facsimile No.

416-862-7661

Teleprinter No.

3. Further observations, if necessary:

4. A copy of this notification has been sent to:

☒ the receiving Office ☐ the designated Offices concerned
☐ the International Searching Authority ☒ the elected Offices concerned
☒ the International Preliminary Examining Authority ☐ other:The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Authorized officer

Dominique DELMAS

Facsimile No.: (41-22) 740.14.35

Telephone No.: (41-22) 338.83.38

PATENT COOPERATION TREATY

PCTCOMMUNICATION IN CASES FOR WHICH
NO OTHER FORM IS APPLICABLE

From the INTERNATIONAL BUREAU

To:

KINSMAN, L., Anne
Gowling, Strathy & Henderson
Suite 4900
Commerce Court West
Toronto, Ontario M5L 1J3
CANADA

Date of mailing (<i>day/month/year</i>) 14 December 1999 (14.12.99)	
Applicant's or agent's file reference T8464164WO	REPLY DUE see paragraph 1 below
International application No. PCT/CA99/00928	International filing date (<i>day/month/year</i>) 13 October 1999 (13.10.99)
Applicant SELECT MOLECULAR TECHNOLOGIES CORPORATION	

1. ☐ REPLY DUE within _____ months/days from the above date of mailing
- ☐ NO REPLY DUE, however, see below
- ☒ IMPORTANT COMMUNICATION
- ☐ INFORMATION ONLY

2. COMMUNICATION:

The applicant in respect of the above identified international application is notified that the receiving Office (RO/CA) has stamped an incorrect international filing date on the first and last pages of the request and has now informed the International Bureau of the corrected date.

Please correct all notifications previously sent by the International Bureau to indicate the correct filing date of: **13 October 1999 (13.10.99)**

instead of: **25 October 1999 (25.10.99)**

A copy of this notification has been sent to the receiving Office (RO/CA), the International Searching Authority (ISA/EP) and the designated Offices concerned.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Dominique DELMAS
Facsimile No. (41-22) 740.14.35	Telephone No. (41-22) 338.83.38